

Attorney Docket No.: MCP-0056
Inventors: Gerald Soslau
Serial No.: 10/029,611
Filing Date: December 21, 2001
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claim 1: (currently amended) A method for screening for compounds having anti-thrombotic/anti-platelet activity comprising:

- a) contacting platelets *in vitro* with a compound to be tested for potential anti-thrombotic/anti-platelet activity; and
- b) monitoring ~~the ability~~ activity of said compound to inhibit thrombin-induced platelet aggregation through inhibition of GP Ib, PAR-1 ~~or~~ and PAR-4 receptor binding, wherein ~~the ability to inhibit activity as an inhibitor of~~ GP Ib, and PAR-1 or PAR-4 binding is indicative of anti-thrombotic/anti-platelet activity of ~~the~~ said compound.

Claim 2: (currently amended) A method for screening for compounds having anti-thrombotic/anti-platelet activity comprising:

- a) contacting platelets *in vitro* with a compound to be tested for potential anti-thrombotic/anti-platelet activity; and
- b) monitoring ~~the ability~~ activity of said compound to inhibit thrombin-induced platelet aggregation through inhibition

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of α -thrombin, β -thrombin, ~~ex~~ and γ -thrombin pathways wherein the
~~ability to inhibit~~ activity as an inhibitor of any of α -thrombin,
 β -thrombin, or γ -thrombin pathways is indicative of anti-
thrombotic/anti-platelet activity of the said compound.